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Renovator

A Newsletter from the Pentagon Renovation & Construction Program Office

June 2006

IT'S NEW APPROACH TO INFORMATION MANAGEMENT B-CSR TO PROVIDE RELIABLE AND SECURE SERVER SUPPORT

Pentagon Renovation and Construction Information Technology (PENREN IT) is putting the finishing touches on Wedge 3's Basement-Consolidated Server Room (B-CSR). The B-CSR is a new approach to information management that guarantees more reliable and secure server support to Pentagon tenants.

The U.S. Army Program Executive Office Enterprise Information Systems (PEO EIS) Information Technology Systems (ITS) Project Office-Pentagon Renovation is leading IT implementation of the B-CSR for PENREN.

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Blade servers are secured and locked in cabinets.

LEED® CEREMONY FOR REMOTE DELIVERY FACILITY PENREN EARNS U.S. GREEN BUILDING CERTIFICATION

In a ceremony held on May 23, 2006, the U.S. Green Building Council (USBGC) awarded the Remote Delivery Facility (RDF) a respected Leadership in Energy and Environmental Design (LEED®) certification.

The certification recognizes the Pentagon Renovation and Construction Program Office's success with implementing sustainable design and construction for the RDF. One of the RDF's most recognizable sustainable features is its massive 250,000 square foot vegetated roof.

PENREN has constructed three of the seven DoD-wide LEED® rated facilities which include the Metro Entrance Facility (MEF), Pentagon Athletic Center (PAC) and the Remote Delivery Facility (RDF).



Mr. Michael Donley, Director of Administration and Management addresses LEED® ceremony attendees on the RDF's vegetated roof.

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PENREN
Deputy for IT
Honored

PENREN is charged with transforming the 63-year old headquarters of the U.S. military into a modern, flexible and efficient work environment. PENREN's core mission is to provide the Pentagon Reservation with optimum Facilities and Information Technology through renovation, construction, and modernization. PENREN's award-winning acquisition approach and program management strategy have led to successful completion of several projects in addition to the original renovation work.

PENTAGON RENOVATION PROJECT WATCH

Images and Updates on Pentagon Renovation & Construction Projects

Wedges 2-5 Renovation

Wedges 2-5 Encompass 4.5 Million Square Feet Of Pentagon Space To Be Renovated By 2011.

Wedge 3, phase 1 comprises the first through fifth floors and rings A-E between Corridors 7 and 8. In Wedge 3, phase 1 construction teams are approximately sixty percent through the Short Integrated Production (SIP) schedule. SIP is the schedule used to complete the tenant fit out components of the construction. During Wedge 3, Phase 1, teams are conducting two SIPS project efforts simultaneously. There are approximately 64 separate construction crews working in different spaces to complete one element of the work. Later, the teams will rotate to the next space, until all spaces are complete and ready for final inspection. In Wedge 3, Phase 1 work for tenant fit out areas are ongoing. Area 13 is eighty percent complete, area 14, thirty five percent complete and area 10 is twenty five percent complete. In Corridor 7, CRAC unit testing is complete and the installation of active equipment is ongoing. The Corridor 8 cabling and controls are forty percent complete.

In Wedge 3, phase 2, demolition and abatement are near completion. Pre- SIPS work to prepare the area for the Short Integrated Production schedule has begun on the first floors. The structural patching, replacement and fire-proofing is twenty percent complete. On August 7, 2006, tenant fit out will begin.



Workers assemble and install interior walls in Wedge 3.



Workers repair and refinish lightwell walls.



Early in the build out phase, a worker installs sprinkler piping in a Wedge 3 area.



Field engineers check the progress of the new escalator along Corridor 8.

PENTAGON RENOVATION PROJECT WATCH (cont.)

Pentagon Library and Conference Center (PLC2)

PENREN is renovating the old Pentagon Athletic Center into a new full-service conference center. The facility will also be the new home of the Pentagon Library.

The Pentagon Library and Conference Center (PLC2) construction is nearly complete. PLC2's Grand Hall terrazzo on the basement level is placed with the grinding and polishing process underway. Terrazzo preparation and placing is also underway on the mezzanine level. The curtain wall framing and glass installation is ongoing with an approximate completion in early June 2006.

Already, several elevators and escalators are near completion. The facility's skylights are installed, the limestone exterior of the entry pavilion is complete and topsoil is being placed on the Parade Field and planters. The interior finishes are ongoing including carpet for the library, bathroom ceramic tiles, kitchen quarry tile, painting and suspended ceiling in many of the conference rooms.

IT and AV cabling is well underway or complete in several areas located at PLC2's South end. The testing and commissioning of electrical and mechanical systems is progressing. The new sanitary lift station is complete. The Army Library completed the installation of the movable shelving track system. The systems furniture set-up is expected to begin June 2006.



PLC2 workers grind terrazzo flooring located at the Grand Hall entrance.



Worker cleans up PLC2 library space.

PENREN DEPUTY FOR IT HONORED GCN TOP IT LEADERSHIP AWARD

The Pentagon Renovation and Construction Program Office congratulate Sajeel Ahmed, Deputy Director for Information Technology (IT). On May 24, 2006, Government Computer News (GCN) honored his achievements at an award luncheon for the top twelve 2006 Government IT Leaders. Mr. Ahmed was recognized for "outstanding leadership in applying technology in the service of government."

The GCN IT Leadership Awards annually recognize distinguished individuals from federal, state and local governments for their outstanding work in the field of government information technology. The 2006 award recipients were selected from more than 90 candidates who were nominated by colleagues, co-workers or superiors. The winning twelve candidates were chosen by a panel of current and former federal IT leaders, industry executives and senior editors of PostNewsweek Tech Media, publisher of Government Computer News.



On May 24, 2006, Mr. Sajeel Ahmed, PENREN Deputy for IT (right) is presented the GCN Top IT Leadership Award.

IT'S NEW APPROACH TO INFORMATION MANAGEMENT

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Today, the B-CSR is the Pentagon's largest consolidated server room. At approximately 15,000 square feet, it replaces the individually operated server rooms (classified and unclassified) in Wedge 3. The B-CSR also replaces the shared computer facility in room 1D1070. Already, consolidated server rooms are deployed in the renovated Wedges 1 and 2.

The majority of tenants using the B-CSR will be upgraded to blade servers – the latest server technology in the information management market. The blades are more advanced and efficient than older models.

Some tenants have special requirements that make it impractical for them to migrate data to blade servers. ITS-Pentagon Renovation accommodates these tenants with a sectioned-off “legacy room” in the B-CSR, where older server platforms are supported.

Regardless the server model – blade or legacy – all tenants with equipment in the B-CSR will reap the benefits of improved power and cooling systems. These systems are engineered to tap mission-critical power and chilled water supplies in the event of an outage to protect tenants from system failure and data loss.

The Services are already moving IT equipment into the B-CSR and migrating data to blade servers. ITS-Pentagon Renovation will continue to support tenants as they move in over the next year. ITS-Pentagon Renovation will transfer

B-CSR management to the U.S. Army Information Technology Agency (ITA) after tenant occupation is complete. ITA's Data Center will have staff on site at the B-CSR for 24 hours a day to enforce access control and to maintain and monitor equipment. Additionally, ITA will continue to keep detailed ownership records of all equipment placed in the B-CSR. ITS-Pentagon Renovation created this process, and currently manages it, in response to lessons-learned during the continuing effort to vacate 1D1070.

The implementation of B-CSR with standard equipment, system failure protection, 24 hour security and centralized operation and maintenance, will be an important step in achieving an enterprise solution for IT in the Pentagon.



Most Pentagon tenants in the B-CSR are migrating to blade servers.

WE WANT YOUR FEEDBACK!

E-mail your questions or comments

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ON COST, ON SCHEDULE, BUILT FOR THE NEXT 50 YEARS!

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